Title (en)
  Rate conversion digital filter.

Title (de)
  Digitaler Filter zur Änderung der Abtastfrequenz.

Title (fr)
  Filtre numérique pour convertir la fréquence d'échantillonnage.

Publication
  EP 0180989 A2 19860514 (EN)

Application
  EP 85114190 A 19851107

Priority
  JP 23540984 A 19841108

Abstract (en)
  A finite impulse response digital filter includes a first selector (107) for alternately selecting samples of first and second data streams at intervals T, and a second selector (108) for alternately selecting samples of the first and second data streams at intervals T in a manner complementary to the first selector (107). First and second subfilters are clocked at frequency 1fT and respectively responsive to the outputs of the first and second selectors (107, 108). The subfilters comprise a common register network (129-134,140-145) for introducing different incremental delay times to the outputs of the first and second selectors (107, 108) and supply the delayed signals to a demultiplexer (150). (Fig. 2.)

IPC 1-7
  H03H 17/06

IPC 8 full level
  H03H 17/00 (2006.01); **H03H 17/02** (2006.01); **H03H 17/06** (2006.01)

CPC (source: EP US)
  H03H 17/0292 (2013.01 - EP US); **H03H 17/0664** (2013.01 - EP US); H03H 2218/08 (2013.01 - EP US)

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DOCDB simple family (publication)
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